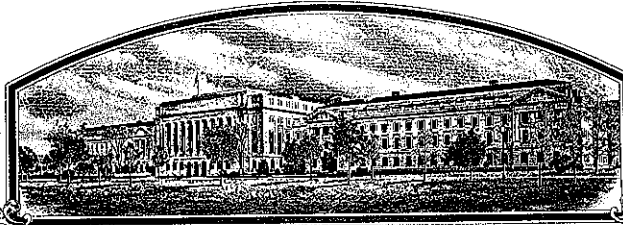


No.

9000069



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Coffey Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (U.S.C. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WATERMELON

'Cutter 55'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this 26th day of February in the year of our Lord one thousand nine hundred and ninety-three.

Attest:

Kenneth K. Evans
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Mike Egan
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Coffey Seed Company		2. TEMPORARY DESIGNATION C155	3. VARIETY NAME Cutter 55
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Route 1 Box 253 B Plainview, Texas 79072		5. PHONE (Include area code) (806) 293-5304	FOR OFFICIAL USE ONLY PVPO NUMBER 9000069
6. GENUS AND SPECIES NAME Citrullus Lanatus	7. FAMILY NAME (Botanical) Cucurbitaceae		FILING DATE Jan. 18, 1990 TIME <input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.
8. KIND NAME Watermelon	9. DATE OF DETERMINATION 11-88		FEES RECEIVED AMOUNT FOR FILING \$ 1800.00 DATE Jan. 18, 1990 AMOUNT FOR CERTIFICATE \$ 250.00 DATE 2-18-93
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation			11. IF INCORPORATED, GIVE STATE OF INCORPORATION Texas
12. DATE OF INCORPORATION 12-73			

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Lee C. Coffey
Route 1 Box 253 B
Plainview, Texas 79072

PHONE (Include area code). (806) 293-5304

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

- a. ☒ Exhibit A. Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
b. ☒ Exhibit B. Novelty Statement.
c. ☒ Exhibit C. Objective Description of Variety (Request form from Plant Variety Protection Office.)
d. ☐ Exhibit D. Additional Description of Variety.
e. ☐ Exhibit E. Statement of the Basis of Applicant's Ownership.

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) ☐ Yes (If "Yes," answer items 16 and 17 below) ☒ No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

☐ Yes ☒ No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?

☐ Foundation ☐ Registered ☐ Certified

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?

☐ Yes (If "Yes," give date)☒ No

19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?

It was offered for sale in Willhite Seed Company catalogue which was mailed on 12-27-89, in forty-three (43) states in the United States.

☒ Yes (If "Yes," give names of countries and dates)☐ No

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT

Lee C. Coffey
Lee C. Coffey

DATE

1-5-90

SIGNATURE OF APPLICANT

DATE

E X H I B I T AOrigin And Breeding History
Of Cutter 55

Cutter 55 was developed from the progeny of a cross between Crimson Sweet and Long Crimson. Plants of each generation from the F_1 through the F_6 were selfed. Attempts were made in each generation to select plants with oblong shaped fruit with coal black seed similar to Long Crimson but with a flesh equal or superior to either parent. Each generation from the F_2 through the F_6 were planted in nurseries with a heavy concentration of wilt spores and where the land has been planted continuously in water-melons for the past ten (10) years with no crop rotation. A selection made in the F_5 seemed to be a pure line and was designated as C155. Selfed seed in the F_6 generation of C155 was bulked together and was used the next generation for observational planting and testing and for a small increase. The 1989 seed from this small increase was planted in a field of approximately twenty (20) acres and the field then passed inspection by the certifying agency for foundation seed with zero offtypes. This field had approximately one plant every eighteen inches (18") of row, each row was forty inches (40") in width and thus there was an estimated eight thousand six hundred (8,600) plants per acre with one (1) fruit per plant. There was approximately one variant in every five thousand (5,000) melons of Cutter 55 that should be acknowledged. The primary color of Cutter 55 is a dark green stripe and the secondary color is a light green stripe. This inconspicuous variant had a slight blue streak in the dark green primary color.

Selfed seed from eight (8) to ten (10) melons are available which did not phenotypically show the variant and this seed will be planted and the plants selfed again. Any selfed progeny for two (2) generations which does not show the variant will be bulked together and increased and thus the variant should be eliminated both genotypically and phenotypically.

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E X H I B I T B

-Novelty Statement for Cutter 55-

Cutter 55 is most similiar to the Long Crimson variety. Cutter 55 differs from Long Crimson as it is resistant to race one of Fusarium wilt and Long Crimson is susceptible.

OBJECTIVE DESCRIPTION OF VARIETY
WATERMELON (CITRULLUS LANATUS)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

Coffey Seed Company

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Route 1 Box 253 B
Plainview, Texas 79072

FOR OFFICIAL USE ONLY

PVPO NUMBER

9000069

VARIETY NAME OR TEMPORARY
DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g., or) when number is either 99 or less or 9 or less.

1. TYPE:

1 - OBLONG 2 - ROUND LARGE 3 - ROUND SMALL (icebox)

2. AREA OF BEST ADAPTATION:

1 - SOUTH 2 - NORTHEAST/NORTHCENTRAL 3 - SOUTHWEST 4 - MOST AREAS

3. EMERGENCE TO ANTHESIS:

NO. OF DAYS EARLIER THAN } 1 - CHARLESTON GREY
 NO. OF DAYS LATER THAN } 2 - OTHER (Specify) Crimson Sweet

4. POLLINATION TO MATURITY:

NO. OF DAYS EARLIER THAN } 1 - CHARLESTON GREY
 NO. OF DAYS LATER THAN } 2 - OTHER (Specify) Crimson Sweet

5. PLOIDY:

1 - DIPLOID 2 - TETRAPLOID 3 - TRIPLOID

6. PLANT

Cotyledon: 1 - FLAT 2 - FOLDED 1 - MONOECIOUS 2 - ANDROMONOECIOUS
Number of flowers per plant at first fruit set:
 STAMINATE PISTILLATE PERFECT NO. OF MAIN STEMS AT CROWN

7. STEM:

1 - ROUND 2 - ANGULAR MM. DIAMETER AT SECOND NODE
 1 - GLABROUS 2 - SCABROUS 3 - PUBESCENT 4 - BRISTLED
 CM. VINE LENGTH ÷ NO. OF INTERNODES (At last harvest)

8. LEAF:

1 - OVATE 2 - OBOVATE 3 - ROUND 1 - LONGER THAN WIDE 2 - LENGTH-WIDTH EQUAL
3 - WIDER THAN LONG
 Dorsal Surface: } 1 - SMOOTH 2 - PUBESCENT
 Ventral Surface: } Color: 1 - LIGHT GREEN 2 - GRAY GREEN
3 - MEDIUM GREEN 4 - DARK GREEN

9. FLOWER (At first fruit set):

Staminate: CM. ACROSS Perfect: CM. ACROSS Color: 1 - LEMON YELLOW
2 - YELLOW 3 - ORANGE

(cont'd other side)

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10. MATURE FRUIT:

<input type="text" value="2"/>	1 - ROUND 2 - OVAL 3 - CYLINDRICAL	<input type="text" value="3"/> <input type="text" value="8"/>	CM. LONG	<input type="text" value="2"/> <input type="text" value="2"/>	CM. DIAMETER AT MIDSECTION
<input type="text" value="1"/> <input type="text" value="3"/>	KG. AVERAGE WEIGHT	<input type="text" value="1"/> <input type="text" value="7"/>	INDEX = LENGTH \div DIAMETER X 10		
<input type="text" value="1"/>	1 - SMOOTH 2 - SLIGHTLY GROOVED 3 - DEEPLY GROOVED				
<input type="text" value="2"/>	Color: 1 - SOLID (One color) 2 - STRIPE 3 - MOTTLE/NET				
<input type="text" value="4"/>	Primary Color:	1 - YELLOW GREEN (Desert King) 2 - LIGHT GREEN (Charleston Gray) 3 - MEDIUM GREEN (Sugar Baby)			
<input type="text" value="2"/>	Secondary Color:	4 - DARK GREEN (Florida Giant) 5 - OTHER (Specify) _____			

11. RIND:

<input type="text" value="3"/>	1 - TENDER 2 - BRITTLE 3 - TOUGH	<input type="text" value="1"/> <input type="text" value="0"/>	THICKNESS MM. BLOSSOM END
		<input type="text" value="1"/> <input type="text" value="5"/>	THICKNESS MM. SIDES

12. FLESH:

<input type="text" value="1"/>	1 - CRISP 2 - SOFT	<input type="text" value="1"/>	1 - COARSE-FIBROUS 2 - FINE-LITTLE FIBER
<input type="text" value="5"/>	Color: 1 - YELLOW 2 - ORANGE 3 - PINK 4 - RED 5 - DARK RED		
<input type="text" value="11"/> <input type="text" value="2"/>	REFRACTOMETER % SOLUBLE SOLIDS OF JUICE (Center of fruit)	<input type="text" value="10"/> <input type="text" value="8"/>	% CHECK VARIETY (Specify) <u>Crimson Sweet</u>
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/>	% HOLLOW HEART	<input type="text" value="0"/> <input type="text" value="4"/> <input type="text" value="0"/>	% PLACENTAL SEPARATION
		<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="3"/>	% TRANSVERSE CRACK

13. SEED:

<input type="text" value="0"/> <input type="text" value="8"/>	MM. LONG	<input type="text" value="0"/> <input type="text" value="5"/>	MM. WIDE	<input type="text" value="0"/> <input type="text" value="2"/>	MM. THICK
<input type="text" value="1"/> <input type="text" value="6"/>	INDEX \div LENGTH \div WIDTH X 10	<input type="text" value="4"/> <input type="text" value="1"/>	GM. PER 1000 SEED	<input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="0"/>	NO. SEED PER FRUIT
<input type="text" value="0"/> <input type="text" value="9"/>	Color: 1 - WHITE 2 - WHITE-TAN TIPPED 3 - WHITE-PINK TIPPED 4 - TAN 5 - GREEN 6 - RED 7 - DARK BROWN 8 - DARK BROWN MOTTLED 9 - BLACK 10 - MOTTLED BLACK				

14. DISEASE RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

<input type="text" value="0"/>	ANTHRACNOSE (Race _____)	<input type="text" value="0"/>	DOWNY MILDEW	<input type="text" value="2"/>	FUSARIUM WILT <i>note 1 of 2 on 12/20/99 Jnp</i>	<input type="text" value="0"/>	GUMMY STEM BLIGHT
<input type="text" value="0"/>	SQUASH MOSAIC	<input type="text" value="0"/>	WATERMELON MOSAIC	<input type="text" value="0"/>	POWDERY MILDEW	<input type="text" value="0"/>	CUCUMBER MOSAIC
<input type="text" value="0"/>	No anthracnose lesions have been observed on Cutter 55 or either parent when susceptible varieties in adjoining plots have had them. <i>USDA ARS</i>						

15. OTHER RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

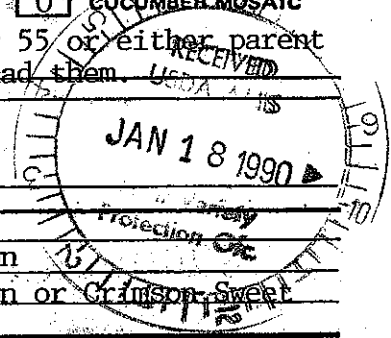
<input type="text" value="2"/>	SUNBURN	<input type="text" value="0"/>	ROOT KNOT	<input type="text" value="0"/>	OTHER (Specify) _____
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16. NAME A VARIETY THAT MOST CLOSELY RESEMBLES THAT SUBMITTED:

Days maturity	Charlee	Fruit shape	Long Crimson
Plant vigor	Charleston Gray	Rind color	Long Crimson or Crimson Sweet
Fruit Size	Chubby Gray	Flesh quality	Allsweet

REFERENCES:

1. Frey, K. J. 1966. Plant Breeding - Symposium. 1 ed. Iowa State University Press.
2. Ware, G. W. and McCollum, J. P. 1968. Producing Vegetable Crops. Interstate Printers & Publishers, Inc. Danville, Illinois.
3. Whitaker, T. W. and Davis, G. N. 1962. Cucurbits. Interscience Publishers, Inc. New York.
4. Nickerson's or any recognized color fan should be used to determine the plant colors of the described variety.



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E X H I B I T E

Basis Of Applicants Ownership of Cutter 55

By: Lee C. Coffey
President
Coffey Seed Company

This is to certify that (1.) I made the initial cross from which Cutter 55 originated, (2.) that myself or personnel working for me selfed the selections from which this variety originated from the F_1 through the F_6 generation and that the variety was increased twice after that. So far as I am aware no one else has ever seen the variety except Willhite Seed Company or Coffey Seed Company personnel and two farmers where the seed was increased. Willhite Seed Company is a wholly owned subsidiary of Coffey Seed Company.

Lee C. Coffey

Lee C. Coffey

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